

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A device for mobile use as a readily
2 portable device for intermittent compression of human extremities for assisting
3 the return of body fluid in the direction of the heart, said device comprising a cuff
4 to be applied to an extremity and a miniature pressure generator for intermittent
5 pressurization of the cuff, wherein said miniature pressure generator is secured
6 directly to the cuff or secured to the body or secured to clothing and pressurizes
7 said cuff with an overpressure, compared to atmospheric pressure, in a range
8 between 20 mm Hg and 100 mm Hg, wherein said cuff has, in the direction of
9 return, a width of at most 25-~~cm~~ centimeters and is configured as a single-
10 chamber system.

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1 2. (Previously Amended) The device as set forth in claim 1,
2 wherein said cuff corresponds to a cuff as used for blood pressure
3 measurements.

1 3. (Previously Amended) The device as set forth in claim 1,
2 wherein said pressure generator is a roller pump.

1 4. (Currently Amended) The device as set forth in claim 1
2 further comprising a pressure control means, which connects a cuff chamber
3 defined by said cuff to the atmosphere when ~~the~~ a pressure therein exceeds a
4 predefined overpressure, compared to atmospheric pressure.

1 5. (Previously Amended) The device as set forth in claim 4,
2 wherein said pressure control means comprises an outlet valve forming an
3 overpressure outlet for said cuff, said overpressure outlet being open, except
4 when said pressure generator pressurizes said cuff.

1 6. (Previously Amended) The device as set forth in claim 4,
2 wherein said pressure control means comprises a restrictor in a conduit between

3 said pressure generator and said cuff, and an outlet valve with a stopper, which,
4 in a first position, releases an outlet to the atmosphere, and, in a second
5 position, blocks said outlet, said stopper assuming these positions as a function
6 of the difference in pressure between an inlet and an outlet of said restrictor.

1 7. (Previously Amended) The device as set forth in claim 1
2 further comprising a controller which switches said pressure generator ON/OFF,
3 thereby pressurizing said cuff with a defined or definable pressure amplitude and
4 a defined or definable repetition frequency.

1 8. (Currently Amended) The device as set forth in claim 7,
2 wherein said controller is designed to vary at least one of said pressure amplitude
3 and/or and said repetition frequency.

1 9. (Currently Amended) The device as set forth in claim 1,
2 wherein ~~a measured~~ the overpressure of said cuff, compared to atmospheric
3 pressure, ranges between ~~20-25~~ mm Hg and ~~100-80~~ mm Hg.

1 10. (Currently Amended) The device as set forth in claim 1,
2 wherein said cuff is pressurized 1 to 10 times per ~~min~~ minute.

1 11. (Currently Amended) The device as set forth in claim 1,
2 wherein, said cuff is pressurized 1 to 15 times per ~~5-min~~ minutes.

1 12. (Previously Amended) The device as set forth in claim 1
2 further comprising means for uncoupling said pressure generator from said cuff.

1 13. (Currently Amended) ~~Use of a device~~ A method of
2 stimulating the flow of body fluid comprising a cuff to be applied to an extremity,
3 and a miniature pressure generator for intermittent pressurization of said cuff,
4 wherein said miniature pressure generator is secured directly to the cuff or
5 secured to the body or secured to clothing and pressurizes said cuff with an
6 overpressure, compared to atmospheric pressure, in a range between 20 mm Hg
7 and 100 mm Hg, said cuff comprising, in the direction of return of body fluid in
8 the direction of the heart, a width ~~(B)~~ of maximally 25~~cm~~ centimeters, and being

9 configured as a single-chamber system, as a readily transportable device for
10 intermittent compression of human extremities for assisting the return of body
11 fluids.

1 14. (Currently Amended) A method for stimulating the flow of
2 body fluid comprising the steps of:

3 applying a cuff to an extremity, wherein said cuff has a width of at
4 most 25-~~cm~~ centimeters and is configured as a single-chamber system; and

5 intermittently pressurizing said cuff by a miniature pressure
6 generator, wherein said miniature pressure generator is secured directly to the
7 cuff or secured to the body or secured to clothing and pressurizes said cuff with
8 an overpressure, compared to atmospheric pressure, in a range between 20 mm
9 Hg and 100 mm Hg.

1 15. (Previously Added) The method as set forth in claim 14,
2 wherein the step of intermittently pressurizing said cuff comprises a controller
3 actuating a pressure generator to pressurize said cuff with a defined or definable
4 pressure amplitude and a defined or definable repetition frequency.

1 16. (Currently Amended) The method as set forth in claim 15,
2 wherein said controller varies at least one of said pressure amplitude and/or and
3 said repetition frequency.

1 17. (Currently Amended) The method as set forth in claim 14,
2 wherein the step of intermittently pressurizing said cuff comprises pressurizing
3 said cuff 1 to 10 times per ~~min~~ minute.

1 18. (Currently Amended) The device as set forth in claim 14,
2 wherein the step of intermittently pressurizing said cuff comprises pressurizing
3 said cuff 1 to 15 times per 5-~~min~~ minutes.

1 19. (Newly Added) A device for mobile use as a readily portable
2 device for intermittent compression of human extremities for assisting the return

3 of body fluid in the direction of the heart, said device comprising a cuff to be
4 applied to an extremity, a miniature pressure generator for intermittent
5 pressurization of the cuff, wherein said miniature pressure generator is secured
6 directly to the cuff or secured to the body or secured to clothing, and a pressure
7 control means, which connects a cuff chamber defined by said cuff to the
8 atmosphere when the pressure in said cuff chamber exceeds a predefined
9 overpressure, wherein said cuff has, in the direction of return, a width of at most
10 25 centimeters and is configured as a single-chamber system.

1 20. (Newly Added) The device as set forth in claim 1, wherein
2 said miniature pressure generator is secured directly to the cuff.

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1 21. (Newly Added) The device as set forth in claim 1, wherein
2 said miniature pressure generator is secured to a suitable location on the
3 clothing.

1 22. (Newly Added) The device as set forth in claim 1, wherein
2 said miniature pressure generator is secured to a suitable location on the body.

1 23. (Newly Added) The device as set forth in claim 20 further
2 comprising a velcro fastener for directly securing said miniature pressure
3 generator to the cuff.

1 24. (Newly Added) The device as set forth in claim 20, wherein
2 said miniature pressure generator is accommodated in a pouch on the outside of
3 the cuff.

1 25. (Newly Added) The device as set forth in claim 21 further
2 comprising an elastic band with a velcro fastener for securing said miniature
3 pressure generator to the clothing.

1 26. (Newly Added) The device as set forth in claim 22 further
2 comprising an elastic band with a velcro fastener for securing said miniature
3 pressure generator to the body.

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- 1 27. (Newly Added) The device as set forth in claim 9, wherein
2 the overpressure of said cuff, compared to atmospheric pressure, ranges
3 between 40 mm Hg and 60 mm Hg.
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